

## EAST Search History

| Ref # | Hits | Search Query   | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---------------------------|------------------|---------|---------------------|
| S52   | 1    | "10/803343".app.   | US-PGPUB;<br>USPAT        | ADJ              | ON      | 2008/06/30<br>13:09 |
| S51   | 0    | "10803343".app.  | US-PGPUB;<br>USPAT        | ADJ              | ON      | 2008/06/30<br>13:09 |
| S50   | 0    | "10803363".app.  | US-PGPUB;<br>USPAT        | ADJ              | ON      | 2008/06/30<br>13:08 |
| S14   | 247  | "20020926".ptad.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/07/31<br>13:06 |
| S29   | 3292 | "111" and voltage  | US-PGPUB;<br>USPAT        | ADJ              | ON      | 2008/03/20<br>09:45 |
| S20   | 0    | ("barorpsi)and15").PN.   | US-PGPUB;<br>USPAT        | OR               | OFF     | 2007/07/31<br>15:58 |
| S71   | 17   | ("4255967"   "4349885"  <br>"4428223"   "4761999").PN.<br>OR ("4949288").URPN.   | US-PGPUB;<br>USPAT; USOCR | ADJ              | ON      | 2008/10/08<br>11:13 |
| L7    | 13   | ("4255967").URPN.  | USPAT                     | ADJ              | ON      | 2008/10/12<br>14:00 |
| S8    | 20   | ("5297860"   "5803556"  <br>"5904335"   "5934767"  <br>"5941608"   "6030055"  <br>"6086164"   "6086167"  <br>"6113197"   "6164734"  <br>"6209970"   "6226586"  <br>"6231029"   "6276764"  <br>"6364430"   "6389349"  <br>"6456921"   "6634722"  <br>"6705589"   "6908161").PN. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/07/31<br>12:53 |
| S10   | 10   | ("5297860"   "5904335"  <br>"5934767"   "5941608"  <br>"6030055"   "6086167"  <br>"6164734"   "6226586"  <br>"6389349"   "6456921").PN.  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/07/31<br>13:03 |
| S9    | 13   | ("5545929"   "5560688"  <br>"5636910"   "5669678"  <br>"5727854"   "5782541"  <br>"5806938"   "5941608"  <br>"6030055"   "6086167"  <br>"6161907"   "6364429"  <br>"6456921").PN.  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/07/31<br>12:59 |
| L14   | 15   | ("5545929"   "5560688"  <br>"5636910"   "5669678"  <br>"5727854"   "5782541"  <br>"5806938"   "5941608"  <br>"6030055"   "6086167"  <br>"6161907"   "6364429"  <br>"6456921").PN. OR<br>("6692088").URPN.  | US-PGPUB;<br>USPAT; USOCR | ADJ              | ON      | 2008/10/12<br>14:32 |

|     |      |   |                           |     |     |                     |
|-----|------|---|---------------------------|-----|-----|---------------------|
| S49 | 15   | ("5545929"   "5560688"  <br>"5636910"   "5669678"  <br>"5727854"   "5782541"  <br>"5806938"   "5941608"  <br>"6030055"   "6086167"  <br>"6161907"   "6364429"  <br>"6456921").PN. OR<br>("6692088").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/03/20<br>10:11 |
| S63 | 177  | (188/275).CQLS  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S64 | 65   | (188/282.2).CQLS  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S19 | 337  | (303/113.2).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>15:57 |
| S40 | 349  | (303/113.2).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/03/20<br>09:57 |
| S15 | 381  | (303/113.4).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>15:58 |
| S31 | 390  | (303/113.4).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/03/20<br>09:56 |
| S16 | 277  | (303/114.3).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>15:57 |
| S34 | 281  | (303/114.3).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/03/20<br>09:56 |
| S17 | 376  | (303/155).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>15:57 |
| S36 | 393  | (303/155).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/03/20<br>09:57 |
| S18 | 123  | (303/166).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>15:57 |
| S38 | 126  | (303/166).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/03/20<br>09:57 |
| S1  | 1538 | (701/70).CQLS.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2007/07/31<br>12:50 |
| S67 | 124  | (73/1.57).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:32 |
| S58 | 124  | (73/1.57).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S59 | 82   | (73/1.59).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S60 | 54   | (73/1.62).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S61 | 35   | (73/1.63).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S62 | 100  | (73/1.72).CQLS.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/08<br>09:33 |
| S25 | 68   | (bar or psi) and S15  | US-PGPUB;<br>USPAT        | OR  | ON  | 2007/07/31<br>15:59 |
| S21 | 27   | (bar or psi) and S16  | US-PGPUB;<br>USPAT        | OR  | ON  | 2007/07/31<br>15:59 |

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|-----|-------|--|--------------------|-----|----|---------------------|
| S22 | 54    | (bar or psi) and S17   | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/31<br>16:03 |
| S24 | 73    | (bar or psi) and S19   | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/31<br>16:08 |
| S23 | 14    | (bar or psi)and S18  | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/31<br>16:07 |
| S3  | 459   | (bound\$5 or limit) and S2   | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/30<br>16:55 |
| S46 | 27654 | (de-energized or inoperative or off or release\$2) near4 (just-closed or closed or on or operative) same valve   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/03/20<br>10:09 |
| L2  | 16    | (US-20040162662-\$.)did. or (US-6030055-\$. or US-5941608-\$. or US-5806938-\$. or US-5727854-\$. or US-5669678-\$. or US-5545929-\$. or US-6086167-\$. or US-5984429-\$. or US-6715846-\$. or US-4949288-\$. or US-5499527-\$. or US-5365769-\$. or US-4349885-\$. or US-4255967-\$. or US-5148895-\$.). did.   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/10/12<br>13:10 |
| S26 | 23    | (US-20040162662-\$.)did. or (US-6226586-\$. or US-5941608-\$. or US-6364429-\$. or US-6030055-\$. or US-6086167-\$. or US-5806938-\$. or US-5727854-\$. or US-5669678-\$. or US-5545929-\$. or US-6389349-\$. or US-6164734-\$. or US-5934767-\$. or US-5297860-\$. or US-6715846-\$. or US-6820946-\$. or US-6513885-\$. or US-6003961-\$. or US-5984429-\$. or US-5855420-\$. or US-5632531-\$. or US-6079801-\$. or US-6709074-\$.). did. | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/31<br>17:19 |
| S28 | 11    | (US-20040162662-\$.)did. or (US-6226586-\$. or US-6030055-\$. or US-5941608-\$. or US-5806938-\$. or US-5727854-\$. or US-5669678-\$. or US-5545929-\$. or US-6086167-\$. or US-5984429-\$. or US-6715846-\$.). did.   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/03/20<br>09:45 |
| S5  | 1     | 10/803343.app.   | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/30<br>17:07 |
| L4  | 721   | brake and (valve same boundary)  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/10/12<br>13:21 |
| S27 | 3     | derivative and S26   | US-PGPUB;<br>USPAT | OR  | ON | 2007/07/31<br>17:19 |
| L13 | 177   | 111 and brake  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/10/12<br>14:23 |

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|-----|------|--|--|-----|----|---------------------|
| L12 | 191  | 11 and zero  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>14:22 |
| L3  | 4    | 12 and just  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>13:10 |
| L5  | 150  | 14 and calibrat\$3   | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>13:27 |
| L6  | 76   | 15 and update  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>13:30 |
| L10 | 12   | 19 and calibrate and update  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>14:04 |
| L11 | 698  | 19 and valve   | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/10/12<br>14:05 |
| S11 | 0    | pct/us02/30962.pct.  | US-PGPUB;<br>USPAT; USOCR                | OR  | ON | 2007/07/31<br>13:05 |
| S12 | 0    | pct/us02/30962.pct.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR  | ON | 2007/07/31<br>13:05 |
| S13 | 0    | pct/us02/30962.ptan.   | US-PGPUB;<br>USPAT; USOCR                | OR  | ON | 2007/07/31<br>13:06 |
| S54 | 595  | pressure near valve near seat  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/07/23<br>12:00 |
| S53 | 8513 | pressure near3 valve near3<br>seat   | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/07/23<br>12:00 |
| S30 | 2    | S28 and voltage  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:45 |
| S4  | 351  | S3 and (@ed<="20020318" OR<br>@pd<="20020318" OR<br>@prad<="20020318" OR<br>@rlad<="20020318") | US-PGPUB;<br>USPAT                       | OR  | ON | 2007/07/30<br>17:06 |
| S32 | 0    | S31 and (voltage table)  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:56 |
| S44 | 0    | S31 and S43  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:57 |
| S45 | 66   | S31 and voltage  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:57 |
| S35 | 0    | S33 and S34  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:56 |
| S37 | 0    | S33 and S36  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:57 |
| S39 | 0    | S33 and S38  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:57 |
| S41 | 0    | S33 and S40  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>09:57 |
| S47 | 525  | S46 same voltage   | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>10:09 |
| S48 | 3    | S47 same updat\$4  | US-PGPUB;<br>USPAT                       | ADJ | ON | 2008/03/20<br>10:09 |

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|-----|------|------------------|---------------------------|-----|----|---------------------|
| S55 | 127  | S54 and solenoid | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/07/23<br>12:00 |
| S56 | 8    | S55 and error    | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/07/23<br>12:02 |
| S65 | 6    | S59 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| S66 | 6    | S60 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| S67 | 9    | S61 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| S68 | 24   | S62 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| S69 | 7    | S63 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| S70 | 20   | S64 and solenoid | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/10/08<br>10:50 |
| L9  | 1110 | seat force       | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/10/12<br>14:04 |
| S43 | 235  | update voltage   | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/03/20<br>09:57 |
| S42 | 0    | update volgte    | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/03/20<br>09:57 |
| S2  | 745  | valve and S1     | US-PGPUB;<br>USPAT        | OR  | ON | 2007/07/30<br>16:46 |
| S33 | 925  | voltage table    | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/03/20<br>09:56 |
| L8  | 0    | zero seat force  | US-PGPUB;<br>USPAT        | ADJ | ON | 2008/10/12<br>14:04 |
| S6  | 1    | zhang-yuhong.in. | US-PGPUB;<br>USPAT        | OR  | ON | 2007/07/31<br>12:51 |
| S7  | 8    | zheng-yuhong.in. | US-PGPUB;<br>USPAT        | OR  | ON | 2007/07/31<br>12:51 |

10/12/2008 5:41:53 PM

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pressurevalve\_10803343.wsp